BILL NO. S-88-12- 32

SPECIAL ORDINANCE NO. S- 08-89

AN ORDINANCE approving Change Order No. #8, Contract 87-W-2, Waterworks Improvements High Service Pump Replacements with Shambaugh & Son in connection with the Board of Public Works and Safety of the City of Fort Wayne, Indiana.

NOW, THEREFORE BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA;

SECTION 1. That Change Order No. #8, Contract 87-W-2, Waterworks Improvements High Service Pump Replacements with Shambaugh & Son in connection with the Board of Public Works and Safety, for:

> is necessary because liquid chlorine lines had begun to leak badly. The seriousness of the situation especially as it related to personnel safety required immediate attention;

involving a net increase of Eighteen Thousand Two Hundred Sixty-Six and 80/100 Dollars ($18,266.80), all as more particularly set forth in the specifications, and which is on file with the Office of the Board of Public Works and Safety and is by reference incorporated herein, made a part hereof, and is hereby in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be in full force and effect from and after its passage and any and all necessary approval by the Mayor.

Councilmember

APPROVED AS TO FORM
AND LEGALITY

J. Timothy McCaulay

DISTRIBUTION:
Owner - 1
Contractor - 1
MP&S - 1
Resident - 2
File - 1 JWA -

CHANGE ORDER

Change Order No. 8
Project No. 87-W-2
Name of Project: Waterworks Improvements H.S. Pump Replacements
To: Shambaugh and Son
(Contractor)

Resolution No.
Board Order No. 237-87
Date: November 9, 1988

363502

Gentlemen:

You are hereby requested to comply with the following changes from the contract plans and specifications:

tem No.	Quantity	Description of Change Description	Unit Price	Change in Contract Price Decrease	Increase
1	1	Replace liquid chlorine lines at			18,266.80
		Three Rivers Filtration Plant per			
		Field Order No. 101 issued by			
		McNamee, Porter & Seeley July 1, 1988			
			Total Decrease		
			Total Increase		18,266.80
		Net (~~Decrease~~) (Increase)	Contract Price		18,266.80

he sum of $ 18,266.80 is hereby (added to) (~~deducted from~~) the total contract price nd the final contract price shall be adjusted as follows:

Original Contract Price $ 823,400.00
Current Contract Price Adjusted by Previous Change Order $ 867,746.00
New Contract Price including this Change Order $ 886,012.80

he time provided for completion in the contract for this project is (unchanged) (~~increased~~) (~~decreased~~) by N/A calendar days due to this Change Order. The date for completion f all work shall be May 31, 1989. Furthermore, this document shall become an mendment to the contract and all provisions of the contract shall apply hereto.

McNamee, Porter & Seeley
ecommended by: John P. Oyer Consulting Engineer Date 11/9/88

John P. Oyer

ccepted by: [signature] Contractor Date 11/12/88

pproved by: Mark L Dender City Engineer Date 11-18-88

pproved by: Angela Deihemer Owner Date 12-14-88

Daniel G. Heath

David Sillett

ttested by: Helen D. Gochenaur Clerk Date 12-14-88

Change Order No. 8

Resolution No. ________

Board Order No. 237-87

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: Liquid chlorine lines had begun to leak badly. The seriousness of the situation especially as it related to personnel safety required immediate attention. Contractor was issued Field Order No. 101, July 7, 1988 by McNamee, Porter & Seeley to proceed expeditiously with replacement work. The work to be done on time and material basis. Time & Material documentation is enclosed. This material has been substantiated by McNamee, Porter & Seeley's Resident Project Representative and the water plant's maintenance supervisor.

2. Will proposed change alter size of the project? Yes ____ No X
   If yes, explain

3. Affect on operation and maintenance cost of this project:
   N/A

McNAMEE
PORTER & SEELEY
ENGINEERS ARCHITECTS
ANN ARBOR, MICHIGAN
3131 S. State Street, Ann Arbor, Michigan 48104

DISTRIBUTION:
Owner - 2
Contractor - 1
MP&S - 3 ✓ File c:c.

FIELD ORDER

TO: Mr. Ron Ross
Shambaugh and Son, Inc.
7614 Opportunity Dr.
Fort Wayne, IN 46825

PROJECT: City of Fort Wayne,IN
Water Works Improvements
High Service Pump Replacement
Contract: 87-W-2

FIELD ORDER NO. 101

DATE: July 1, 1988

To prevent a possible delay in the work, you are directed to proceed with the following changes:

Replacement of approximately 2400 L.F. of 1-inch liquid chlorine piping in accordance with the attached specification, Steel Pipe (61.5). All work shall be coordinated with the Owner and shall be performed expeditiously.

REASON: To replace leaking liquid chlorine lines.

The Contract amount may be adjusted by a future change order based on:

____ Actual time and material costs plus OH&P
____ An agreed sum to be added $______
____ An agreed sum to be deducted $______
____ No charge
____ Contract extension (calendar days)

McNamee, Porter & Seeley

BY: [signature]

City of Fort Wayne, IN

BY:______________________

Shambaugh and Son, Inc.

BY:______________________

STEEL PIPE (61.5)

Normal Service: Pressure to 300 psig
Temperature to -150°F to +300°F
Gas or Liquid Chlorine

	Size	Specifications
PIPE	3/4-inch thru 1-1/2-inch	Carbon steel pipe, schedule 80, ASTM 106 seamless
	2-inch thru 4-inch	Carbon steel pipe, schedule 80, ASTM A53 seamless.
	5-inch and larger	Carbon steel pipe, standard weight, ASTM A53 seamless.
TYPE OF JOINTS	3/4-inch thru 1-1/2-inch	Screwed.
	2-inch and larger	Flanged.
FITTINGS	3/4-inch thru 1-1/2-inch	Forged carbon steel. 2000-pound CWP, forgings, screwed. ANSI standard B16.3.
NIPPLES	1/4-inch thru 2-inch	Forged carbon steel, 2000-pound.
UNIONS	3/4-inch thru 1-1/2-inch	Forged carbon steel, 2000-pound CWP, threaded.
FLANGES	2-inch and larger	Forged carbon steel, 300-pound ANSI class, weld neck, standard raised face. ANSI standard B16.5.
FLANGE GASKETS	2-inch and larger	2-4% antimony-lead, 1/8-inch.
THREAD SEALANT		Teflon tape.

Issued with Field Order 101, July 1, 1988

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS

Mechanical
Refrigeration & Food Process
Electrical
Water & Waste Treatment
Fire Protection

P.O. Box 1287
Fort Wayne, IN 46801
219-487-7777
FAX 219-487-7701

RECEIVED
OCT 28 1988
McNAMEE, PORTER & SEELEY
BY ____________

October 24, 1988

McNamee Porter & Seeley
3131 S. State Street
Ann Arbor, MI 48104

Attn: John Adams

Re: High Service Pump Replacement
Ft. Wayne, Indiana
Our Job #363502 - Change Request #13

Dear John:

We are enclosing our cost breakdown for the time and material work performed on the chlorination lines for the Ft. Wayne Water Treatment Plant. The following is the itemization of the breakdown.

Material	$ 4,311.06
Labor (320 Hours)	$ 9,478.94
Equipment	$ 1,202.00
Subtotal	$ 14,992.00
Overhead and Profit	$ 3,274.80
Total of Change Request #13	$ 18,266.80

We have attached copies of J-Forms and material purchase orders for the above-referenced project.

If you have any questions, please contact the undersigned.

Sincerely,

SHAMBAUGH & SON, INC.

Kevin J. Dulle, P.E.
Project Manager

KJD:clg
kd102488

cc: Kevin Beach
Bill Keys
Gary Nicola - McNamee Porter & Seeley
[redacted]
File

Attachments

Billing Breakdown
Job # 363502

Material Cost:			$ 4311.06
+ 10% Overhead			431.11
			4742.17
Labor:			
Project Manager	19 hrs	@ 45.00	855.00
Foreman	159½ hrs	@ 38.86	6198.17
Journeyman	141½ hrs	@ 37.24	5269.46
Equipment Rental:			
1 Powerhead w/Dies	1 Month	@ 138.00	138.0
1 [illegible]	1½ Weeks	@ 45.00	67.5
4 Extension Ladders	1 Month each	@ 47.00 ea	188.0
1 JLG Lift	1½ Weeks	@ 420.00	630.0
1 Hammer drill	1½ Weeks	@ 23.00	34.5
Truck Trips	6 Trips	@ 24.00	144.0
			$ 18.266.8

Work Order #		Project Mgr	Foreman	Journeyman		[illegible]	[illegible]	Extension Ladders	JLG	Hammer Drill		Truck Trips	Material Cost
104592		—	8	8		1	1	4	1	—		—	—
104564		—	8	8		1	—	4	1	—		-	$ 157.50
104565		—	8	8		1	—	4	1	—		—	—
104566		—	8	8		1	—	4	—	—		—	—
104567		—	8	8		1	1	4	1	—		—	—
104568		—	8	8		1	—	4	1	—		1	14.32
111651		3	13	—		1	1	3	—	—		1	2760.84
111652		3	7	2½		1	1	3	—	1		—	—
111653		3	5	5		1	1	4	—	1		—	306.67
111654		—	8	8		1	1	4	—	1		—	—
111655		—	8	8		1	1	4	—	1		—	—
111656		3	8	8		1	—	4	—	1		—	337.76
111657		—	8	8		—	—	4	1	—		2	<177.63>
111659		—	8	8		1	1	4	1	—		—	—
111660		—	8	8		1	—	2	1	—		—	—
111661		—	8	8		1	—	4	—	1		—	140.40
111662		—	8	6		1	—	3	-	1		1	28.64
111663		—	8	8		1	—	2	—	1		1	742.56
111664		4	8	8		1	—	4	—	—		—	—
111665		3	6½	8		1	—	4	—	—		—	—
TOTALS		19	159½	141½		19	8	73	8	8		6	$ 4311.06
						1 Month	1½ Weeks	4@1 Month each	1½ Weeks	1½ Weeks			

JOB ORDER J104592

S&S

SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219)

• Mechanical
• Refrigeration & Food Process
• Electrical
• Water & Waste Treatment
• Fire Protection

TO: FWWFP

ATTN:

JOB LOCATION: GRISWOLD DR

WORK REQUESTED: CHLORINE LINE

DATE: 8/1/88

JOB NO.: 36350

ORDER TAKEN BY:

CUSTOMER ORDER NO.

PHONE

WORK PERFORMED:
MAKE TIE IN CL TANK
TEAR OUT OLD PIPING

RECEIVED

RETURNED
AUG 22 1988
I-FORMS

☐ CONTRACT
☒ EXTRA
☐ T & M
☐ WARRANTY
☐ JOB COMPLETE
☐ JOB INCOMPLETE

QTY	MATERIAL	AMOUNT

TOTAL MATERIALS

OTHER CHARGES		AMOUNT
TRIP CHARGE # TRIPS X CHARGE		
VCG		
4-Torch/hoses		
Sawzall		
Power Hacksaw		
TOTAL OTHER		

DATE	LABOR	HR	RATE	AMOUNT
8-1-88	Gene D	8		
8-1-88	Terry Neu	8		

TOTAL LABOR

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb

TO: FWWFP

ATTN:

JOB LOCATION: 6715 Volo Ave

B ORDER J104564

S&S

SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

• Mechanical
• Refrigeration & Food Process
• Electrical
• Water & Waste Treatment
• Fire Protection

RECEIVED

WORK REQUESTED: Chlorine Line.

DATE: 8 / 2 / 8

JOB NO: 363502

ORDER TAKEN BY

CUSTOMER ORDER NO

PHONE

WORK PERFORMED: Run Pipe under RR Tracks
& Along wall

RETURNED
AUG 22 1988
I-FORMS

☐ CONTRACT
☒ EXTRA
☐ T & M
☐ WARRANTY
☐ JOB COMPLETE
☐ JOB INCOMPLE

QTY	MATERIAL	AMOUNT	
2	1" Steel Caps	10	70
6	1" Steel FL. Unions	138	60
10	1 X SH X 11 Bl. N.P.	8	20
	TOTAL MATERIALS	157	50

OTHER CHARGES	AMOUNT
TRIP CHARGE # TRIPS X CHARGE	
4-Trip[illegible]	
[illegible]	
1-Powm [illegible]	
TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
8-2	Gene D.	8		
8 2	Terry New	8		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb

S&S ORDER J104565

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

RECEIVED

TO: FWWFP

ATTN.

JOB LOCATION: Griswold Ave

WORK REQUESTED: Chlorine Line

DATE: 8 13 188
JOB NO: 363502
ORDER TAKEN BY:
CUSTOMER ORDER NO:
PHONE:

WORK PERFORMED: Run New Pipe West Wall

RETURNED
AUG 22 1988
I-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT
	TOTAL MATERIALS	

OTHER CHARGES			AMOUNT
TRIP CHARGE	# TRIPS X	CHARGE	
1 C-Fan			
4-X7INC ...			
1- Power Hold Downs			
		TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
8-3	Gene D	8		
8-3	Terry Nev	8		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR	
TAX	
TOTAL NOW DUE	

WORK ORDERED BY

SIGNATURE George Robb

JOB ORDER J104566

TO: FWWFP

ATTN:

JOB LOCATION: Griswold Ave

SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: Chlorine Line

DATE: 8/5/8[illegible]

JOB NO: 363502

ORDER TAKEN BY:

CUSTOMER ORDER NO:

PHONE:

WORK PERFORMED: Install New Pipe South Wall & High Roof

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

RETURNED AUG 22 1988 I-FORMS

QTY	MATERIAL	AMOUNT	
	TOTAL MATERIALS		

OTHER CHARGES			AMOUNT
TRIP CHARGE	# TRIPS	X CHARGE	
4-Xtent[illegible] Power Hill[illegible]			
		TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
8-5	Gene D	8		
8-5	Terry Neu	8		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb

TO: FWWFP

ATTN:

JOB LOCATION: Griswold Ave

JOB ORDER J104567

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: Chlorine Line

DATE: 8/4/8[illegible]
JOB NO: 363502
ORDER TAKEN BY:
CUSTOMER ORDER NO:
PHONE:

WORK PERFORMED:
Run New Pipe West Wall
Remove + Cut out old Line

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

RETURNED
AUG 22 1988
I-FORMS

QTY	MATERIAL	AMOUNT

TOTAL MATERIALS

OTHER CHARGES	AMOUNT
TRIP CHARGE # TRIPS X CHARGE	
JLG	
4-Extension Ladder	
Power Head & Dies	
Sawzall	
TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
8-4	Gene D.	8		
8-4	Tenny New	8		

TOTAL LABOR

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Roth

I hereby acknowledge the satisfactory completion of the above described work

JOB ORDER J104568

TO: FWWFP

ATTN:

JOB LOCATION: Griswold Rd

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: Chlorine line

DATE: 8 18 18
JOB NO: 363502
ORDER TAKEN BY:
CUSTOMER ORDER NO:
PHONE:

WORK PERFORMED: Over new line

RETURNED
AUG 22 1988
I-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT	
1	Chlorinator Tank	14	32
	TOTAL MATERIALS	14	32

OTHER CHARGES	# TRIPS	CHARGE	AMOUNT
TRIP CHARGE	1	X	
4+9 [illegible]			
4- [illegible]			
TOTAL OTHER			

DATE	LABOR	HR	RATE	AMOUNT
8-8	Terry [illegible]	8		
8-8	Gene D	8		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb

TO: E.W.W.F.P.

ATTN:

JOB LOCATION: SPY RUN AVE

JOB ORDER J111651

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: CHORLINE LINE.

DATE: 7 / 11 / 8
JOB NO: 363502
ORDER TAKEN BY:
CUSTOMER ORDER NO:
PHONE:

WORK PERFORMED:
ORDER MAT. & TOOL'S
SET UP JOB UNLOAD PIPE LEFT.
START TAKING OLD PIPE OUT.

RETURNED
JUL 21 1988
J-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT	
20	SAWZALL BLADES 1181	35	60
20	1" PS UNISTRUT CLAMPS	8	20
50	3/8" 38M ANCHORS	100	00
50	HN 1222 "	100	00
2	3/8 BITS CARBIDE	5	22
2	1/2 " "	10	98
1	QT LITHARGE	1	73
1	QT GLYCERINE	9	43
2	GAL VIR. SOLVENT	N/C	
2	GAL CUT. OIL.	20	70
25	DOPE BRUSHES	12	50
10	O2PT-1 K	231	00
	FL UNIONS		
10	LEAD GASKETS	24	00
120	1" 3000# STL. 90°	462	00
60	1" " " COUP.	90	60
1216	FT. 1" XH BL. PIPE.	1641	60
8#	RAG'S	7	28
	TOTAL MATERIALS		

OTHER CHARGES	AMOUNT
TRIP CHARGE — # TRIPS: 1 PICKUP X — CHARGE	
1-POWER HEAD & DIES	
1-SAWZALL	
~~3-XTENSION CORDS~~	
TOTAL OTHER	

DATE	LABOR	HRS	RATE	AMOUNT
7-8-88	GENE D	3		
7-11-88	GENE D	8		
7-11-88	O. PROSSER	2		
7-11-88	RON ROSS	3		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR
TAX
TOTAL NOW DUE

WORK ORDERED BY:

SIGNATURE: George Robb

I hereby acknowledge the satisfactory completion of the above described work

TO: FWWFP

ATTN:

JOB LOCATION: 1100 Griswold Ave

JOB ORDER J111652

S&S

SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS

P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: CHLORINE LINE

DATE: 7/12/8

JOB NO: 363502

ORDER TAKEN BY:

CUSTOMER ORDER NO:

PHONE:

WORK PERFORMED: TAKE OUT OLD PIPE
INSTALL NEW

RETURNED
JUL 21 1988
J-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT	

TOTAL MATERIALS

OTHER CHARGES			AMOUNT
TRIP CHARGE	# TRIPS	X CHARGE	
Pipe Machine & Die			
Sawzall			
~~[illegible]~~			
Hammer Drill			
		TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
~~[illegible]~~		~~[illegible]~~		
7-12-88	Gene D	7		
7-12-88	Terry Neu	2 1/2		
7-12-88	Ron Ross	3		

TOTAL LABOR

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb

B ORDER J111653

TO: FWWFP

ATTN:

JOB LOCATION: 1100 Griswold Ave

S&S

SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: Chlorine Line

DATE: 7/13/88

JOB NO: 363502

ORDER TAKEN BY:

CUSTOMER ORDER NO:

PHONE:

WORK PERFORMED: Install Pipe Brackets & Pipe

RETURNED
JUL 21 1988
J-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT
1	Lot Pipe Bracket	306.67
	17 - Total	

TOTAL MATERIALS 306.67

OTHER CHARGES	AMOUNT
TRIP CHARGE # TRIPS X CHARGE	
Pipe Machine w Dies	
Sawzall	
~~[illegible]~~	
Hammer Drill	
TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
7-13	Gene D	5		
7-13	Terry New	5		
7-13	Ron Ross	3		

TOTAL LABOR

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Roth

I hereby acknowledge the satisfactory completion of the above described work.

TO: FWWFP

ATTN:

JOB LOCATION: Griswold Ave

JOB ORDER J111654

S&S

SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED

Chlorine Line

WORK PERFORMED

Install New Piping.

DATE 7/14/88
JOB NO. 363502
ORDER TAKEN BY:
CUSTOMER ORDER NO.
PHONE

RETURNED
JUL 21 1988
J-FORMS

☐ CONTRACT
☒ EXTRA
☐ T & M
☐ WARRANTY
☐ JOB COMPLETE
☐ JOB INCOMPLETE

QTY	MATERIAL	AMOUNT

TOTAL MATERIALS

OTHER CHARGES			AMOUNT
TRIP CHARGE	# TRIPS	X CHARGE	
Pipe Machine & Dies			
4-Extension Ladder			
1-Sawzall			
1-Hammer Drill			
	TOTAL OTHER		

DATE	LABOR	HR	RATE	AMOUNT
7/14	Gene D	8		
7/14	Jerry New	8		

TOTAL LABOR

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb

JOB ORDER J111655

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

TO: PWWFP.

ATTN:

JOB LOCATION: Griswold Ave.

WORK REQUESTED: CHLORINE LINE REPAIR

DATE 7/18/

JOB NO. 363502

ORDER TAKEN BY:

CUSTOMER ORDER NO.

PHONE

WORK PERFORMED: INSTALLED NEW PIPE
CUT OUT OLD PIPING.

RETURNED
JUL 21 1988
J-FORMS

☐ CONTRACT
☒ EXTRA
☐ T & M
☐ WARRANTY
☐ JOB COMPLETE
☐ JOB INCOMPLETE

QTY	MATERIAL	AMOUNT

TOTAL MATERIALS

OTHER CHARGES	AMOUNT
TRIP CHARGE # TRIPS X CHARGE	
4-Extension Cords	
1-Power Header Vin	
1-Sawz All	
1-Hammer Drill	
TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
7-18-88	Gene H	8		
7-18	Tenny Nev	8		

TOTAL LABOR

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE John E Brown
I hereby acknowledge the satisfactory completion of the above described work.

JOB ORDER J111656

TO: FWWFP

ATTN: [illegible]

JOB LOCATION: [illegible]

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: CHLORINE LINE

DATE 7/15/88
JOB NO. 363502
ORDER TAKEN BY
CUSTOMER ORDER NO
PHONE

WORK PERFORMED

RUN NEW PIPE.

RETURNED
JUL 21 1988
J-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT	
36	1" U-BOLTS	30	24
6	1" STEEL TEE	81	36
6	1" STEEL CAPS	32	10
6	1" STEEL 45°	64	86
10	1" STEEL UNION.	129	20
	TOTAL MATERIALS	337	76

OTHER CHARGES	# TRIPS	CHARGE	AMOUNT
TRIP CHARGE	X		
4-X-Tension Ladder			
1-Hammer Drill			
1-Power Hand Drill			
TOTAL OTHER			

DATE	LABOR	HRS	RATE	AMOUNT
7-15	Gene D	8		
7-15	Terry Neu	8		
7-15	Ron Ross	3		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb

TO: Ewwfp

ATTN:

JOB LOCATION: Ellsworth Ave

JOB ORDER J111657

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED

Cleaning Line

WORK PERFORMED

Finish Line Test 150" [illegible]
Clean up Job Say [illegible] L.D.
& [illegible]

DATE 8-19-88
JOB NO 363502
ORDER TAKEN BY
CUSTOMER ORDER NO.
PHONE

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT	
2	gal Roof Pitch	27	10
1	Bag Sand Mix	3	62
	RETURNED		
	AUG 22 1988		
	I-FORMS		
	Ron Hap		
	23 - 1" 90° 2001 [illegible]	<99	55>
	40 - 1" Coup 1.51 ea.	<60	40>
	44' 1" x4 Pll. 1.35/1	<59	40>
	Left over		
	Sent Back To		
	Shop for Credit		
	TOTAL MATERIALS		

OTHER CHARGES	AMOUNT
TRIP CHARGE 2 # TRIPS X CHARGE	
J.C. [illegible]	
TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
8-9	Gene D	8		
8-9	Terry Niv	8		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR
TAX
TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb
I hereby acknowledge the satisfactory completion of the above described work.

ACCOUNT [illegible]

TO: FWWFP

ATTN:

JOB LOCATION: Enis Wood Ave

JOB ORDER J111659

SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: Chlorine Line

DATE: 7/28/
JOB NO. 363502
ORDER TAKEN BY:
CUSTOMER ORDER NO
PHONE

WORK PERFORMED: Install New P.H. Tie in inside building South End. Cutout old Piping.

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLET
- [ ] JOB INCOMPL

RETURNED
AUG 22 1988

QTY	MATERIAL	AMOUNT

TOTAL MATERIALS

OTHER CHARGES	AMOUNT
TRIP CHARGE # TRIPS X	
JLG.	
Extension Cords	
Power Hand Pipe	
Sawzall	
TOTAL OTHER	

DATE	LABOR	HRS	RATE	AMOUNT
7-29	Gene D	8		
7-29	Terry Nev	8		

TOTAL LABOR

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Roth

TO: FWWFP

ATTN:

JOB LOCATION: Griswold Ave

JOB ORDER J111660

S&S

SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: Chlorine Line

WORK PERFORMED: Install New Pipe

DATE: 7 / 27 / 1[illegible]
JOB NO. 363502
ORDER TAKEN BY:
CUSTOMER ORDER NO.
PHONE

RETURNED
AUG 22 1988
I-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT

TOTAL MATERIALS

OTHER CHARGES

TRIP CHARGE — # TRIPS X CHARGE

1-[illegible]
[illegible]
Power [illegible]

TOTAL OTHER

DATE	LABOR	HR	RATE	AMOUNT
7-27	Gene D	8		
7-27	Terry [illegible]	8		

TOTAL LABOR

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Roff

JOB ORDER J111661

TO: FWWFP

ATTN:

JOB LOCATION: Griswold Bus

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

DATE 7 28 8
JOB NO. 363502
ORDER TAKEN BY.
CUSTOMER ORDER NO
PHONE

WORK REQUESTED

Chlorine Line

WORK PERFORMED

Test Pipe w/ soap water
w/ Nitrogen / 150# Test OK

Install New Valve & Started Drain

☐ CONTRACT
☒ EXTRA
☐ T & M
☐ WARRANTY
☐ JOB COMPLETE
☐ JOB INCOMPLETE

QTY	MATERIAL	AMOUNT
10	1" steel tee	135.60
2	1" x N Nipple 6"	4.80
	TOTAL MATERIALS	140.40

RETURNED
AUG 22 1988
I.FORMS

OTHER CHARGES		AMOUNT
TRIP CHARGE # TRIPS	CHARGE X	
Vlt. Ehns		
4-[illegible]		
1-[illegible] & Dias		
TOTAL OTHER		

DATE	LABOR	HR	RATE	AMOUNT
7-28	Gene D.	8		
7-28	Tonny Nov	8		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb

TO: FWWFP

ATTN:

JOB LOCATION: Ensworth Ave

JOB ORDER J111662

S&S

SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: Chlorine line

DATE: 7/26/88

JOB NO. 363502

ORDER TAKEN BY

CUSTOMER ORDER NO.

PHONE

WORK PERFORMED: install new pipe

RETURNED

AUG 22 1988

I-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT	
2	Tanks Nitrogen	28	64
	TOTAL MATERIALS	28	64

OTHER CHARGES	AMOUNT
TRIP CHARGE 1 # TRIPS X CHARGE	
1-K.O.-8 Nos	
3-[illegible]	
1-Power Hand & Dies	
TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
7-26	Gene D.	8		
7-26	[illegible]	6		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE John E. [illegible]

TO: FWWPP

ATTN:

JOB LOCATION: Broswold Ave

JOB ORDER J111663

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED

Chlorine Line

WORK PERFORMED

Installed New Piping.

DATE 7 125 18
JOB NO 363502
ORDER TAKEN BY
CUSTOMER ORDER NO
PHONE

RETURNED
AUG 22 1988
I-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT	
2	"Stick Valves 1"	742	56
	TOTAL MATERIALS	742	56

OTHER CHARGES	AMOUNT
TRIP CHARGE # TRIPS X CHARGE	
~~[illegible]~~	
1-Power Machine w/Dies	
Truck Dev. ... #7012	
TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
7-25	Gene D	8		
7-25	Terry Nev	8		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE John E Brown
I hereby acknowledge the satisfactory completion of the above described work

TO: F.W.W.E.P.

ATTN:

JOB LOCATION: Griswold Rd

JOB ORDER J111664

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: Replace Chlorine Line

WORK PERFORMED: Install New Piping

DATE: 7 / 20 / 88
JOB NO: 363502
ORDER TAKEN BY:
CUSTOMER ORDER NO.:
PHONE:

RETURNED
AUG 22 1988
I-FORMS

- [ ] CONTRACT
- [x] EXTRA
- [ ] T & M
- [ ] WARRANTY
- [ ] JOB COMPLETE
- [ ] JOB INCOMPLETE

QTY	MATERIAL	AMOUNT
	TOTAL MATERIALS	

OTHER CHARGES			AMOUNT
TRIP CHARGE	# TRIPS X	CHARGE	
4 Extension Cords			
1-Pipe Machine w/Dies			
		TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
7-20-88	Gene D.	8		
7-20-88	Terry Now	8		
7-20-88	Ron Ross	3		
7-20-88	K. Dulle	1		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Roth

I hereby acknowledge the satisfactory completion of the above described work.

TO: E.W.W.F.P.

ATTN:

JOB LOCATION: Griswold Ave

JOB ORDER J111665

S&S
SHAMBAUGH & SON, INC.
CONTRACTORS • ENGINEERS
P.O. Box 1287, Fort Wayne, IN 46801
Phone (219) 487-7777

- Mechanical
- Refrigeration & Food Process
- Electrical
- Water & Waste Treatment
- Fire Protection

WORK REQUESTED: Chlorine Line Replace

WORK PERFORMED: Installed New Pipe

DATE: 7/19/20
JOB NO. 363502
ORDER TAKEN BY:
CUSTOMER ORDER NO.
PHONE

RETURNED
AUG 22 1988
I-FORMS

☐ CONTRACT
☒ EXTRA
☐ T & M
☐ WARRANTY
☐ JOB COMPLETE
☐ JOB INCOMPLETE

QTY	MATERIAL	AMOUNT
	TOTAL MATERIALS	

OTHER CHARGES	AMOUNT
TRIP CHARGE # TRIPS X CHARGE	
4 4 ton crane 1 - Back hoe w/ops	
TOTAL OTHER	

DATE	LABOR	HR	RATE	AMOUNT
7-19-88	Gene D	6 1/2		
7-19-88	Terry New	8		
7-19-88	Ron Ross	3		
	TOTAL LABOR			

TOTAL MATERIALS, OTHER, AND LABOR

TAX

TOTAL NOW DUE

WORK ORDERED BY

SIGNATURE George Robb

I hereby acknowledge the satisfactory completion of the above described work.

Read the first time in full and on motion by Burns, seconded by Talarico, and duly adopted, read the second time by title and referred to the Committee on City Utilities (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Conference Room 128, City-County Building, Fort Wayne, Indiana, on ______, the ______, day of ______, 19___, at ______ o'clock ___.M.,E.S.T.

DATED: 12-27-88

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Read the third time in full and on motion by GiaQuinta, seconded by Bradbury, and duly adopted, placed on its passage. PASSED ~~LOST~~ by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT
TOTAL VOTES	7			2
BRADBURY	✓			
BURNS	✓			
GiaQUINTA	✓			
HENRY	✓			
LONG	✓			
REDD	✓			
SCHMIDT				✓
STIER				✓
TALARICO	✓			

DATED: 1-10-89

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as ~~(ANNEXATION)~~ ~~(APPROPRIATION)~~ ~~(GENERAL)~~ (SPECIAL) ~~(ZONING MAP)~~ ORDINANCE ~~RESOLUTION~~ NO. S-08-89 on the 10th day of January, 1989,

ATTEST: SEAL

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Charles B. Redd
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 11th day of January, 1989, at the hour of 11:00 o'clock A.M.,E.S.T.

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Approved and signed by me this 15th day of January, 1989, at the hour of 4:00 o'clock P.M.,E.S.T.

Admn. Appr. ____________

TITLE OF ORDINANCE Change Order #8, Contract 87-W-2, Waterworks Improvements High Service Pump Replacements

DEPARTMENT REQUESTING ORDINANCE Board of Public Works & Safety

SYNOPSIS OF ORDINANCE Change Order #8, Contract 87-W-2, Waterworks Improvements High Service Pump Replacements, is necessary because liquid chlorine lines had begun to leak badly. The seriousness of the situation especially as it related to personnel safety required immediate attention. Contractor was issued Field Order No. 101, July 7, 1988 by McNamee, Porter & Seeley to proceed expeditiously with replacement work; the work to be done on time and material basis. Time and material documentation is enclosed. This materia has been substantiated by McNamee, Porter & Seeley's Resident Project Representative and the water plant's maintenance superviso

S-88-12-32

EFFECT OF PASSAGE Safer conditions.

EFFECT OF NON-PASSAGE ____________

MONEY INVOLVED (DIRECT COSTS, EXPENDITURE, SAVINGS) $18,266.80 increase

ASSIGNED TO COMMITTEE ____________

BILL NO. S-88-12-32

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON CITY UTILITIES TO WHOM WAS REFERRED AN (ORDINANCE) (~~RESOLUTION~~) approving Change Order No. 8, Contract 87-W-2, Waterworks Improvements High Service Pump Replacements with Shambaugh & Son in connection with the Board of Public Works and Safety of the City of Fort Wayne, Indiana

HAVE HAD SAID (ORDINANCE) (~~RESOLUTION~~) UNDER CONSIDERATION AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID (ORDINANCE) (~~RESOLUTION~~) ____________

YES		NO
Mark E. GiaQuinta	MARK E. GiaQUINTA CHAIRMAN	
Thomas C. Henry	THOMAS C. HENRY VICE CHAIRMAN	
David C. Long	DAVID C. LONG	
[signature]	PAUL M. BURNS	
Samuel J. Talarico	SAMUEL J. TALARICO	

CONCURRED IN *1-3-89.*

Sandra E. Kennedy
Sandra E. Kennedy
City Clerk